

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-22. (cancelled)

23. (currently amended) A device for optically inspecting and evaluating a sample, the device comprising:

a light source for generating a probe beam, said light source include a first lamp having ~~strong~~ broadband emissions in the visible spectrum and a second lamp having ~~strong~~ broadband emissions in the ultraviolet spectrum and a laser diode emitting light in the blue visible region of the spectrum;

optical elements for directing the probe beam to reflect off the sample;

a detector for monitoring the reflected probe beam and generating output signals as a function of wavelength; and

a processor for analyzing the sample based on the output signals.

24. (new) A device as recited in claim 23, wherein the emissions from the first and second lamps and the laser diode are combined using beamsplitters.

25. (new) A device as recited in claim 23, wherein the emissions from the first and second lamps and the laser diode are combined using optical fibers.

26. (new) A device as recited in claim 25, wherein the optical fibers are in the form of a fiber bundle having an input end subdivided into respective portions for receiving light from the first and second lamps and said laser diode.

27. (new) A device as recited in claim 23, wherein said first lamp is a tungsten lamp.

28. (new) A device as recited in claim 23, wherein said second lamp is a deuterium lamp.
29. (new) A device for optically inspecting and evaluating a sample, the device comprising:
- a first lamp having broadband emissions in the visible spectrum;
 - a second lamp having broadband emissions in the ultraviolet spectrum;
 - a narrowband light source for emitting narrowband output;
 - means for combining the output from the first and second lamps and the narrowband light source to obtain a broadband probe beam, with the wavelength of the narrowband light source being selected to compensate for a reduced output intensity of the emissions from the first and second lamps;
 - optical elements for directing the probe beam to reflect off the sample;
 - a detector for monitoring the reflected probe beam and generating output signals as a function of wavelength; and
 - a processor for analyzing the sample based on the output signals.
30. (new) A device as recited in claim 29, wherein said combining means includes beamsplitters.
31. (new) A device as recited in claim 29, wherein said combining means includes optical fibers.
32. (new) A device as recited in claim 29, wherein said combining means includes a fiber bundle having an input end subdivided into respective portions for receiving light from the first and second lamps and the narrowband light source.
33. (new) A device as recited in claim 29, wherein said first lamp is a tungsten lamp.
34. (new) A device as recited in claim 29, wherein said second lamp is a deuterium lamp.

35. (new) A device as recited in claim 34, wherein the narrowband light source is an LED.

36. (new) A device as recited in claim 35, wherein said LED emits light in the blue visible region of the spectrum.